

ANT1m ATGGTGATCACGCTTGAGCTTCTAAAGGACTTCCTGGCCGGGCGGTGCGCGGTGCCCTCTCCAAGACGCGGTGGC 80
ANT2m ATGACAGATGCGCTGTGTCCTTCGCCAAGGACTTCCTGGCAGGTGGAGTGGCCGAGCCATCTCCAAGACGGCGGTAGC 80
ANT3m ATGACGAAACAGGCCATCTCCTTCGCCAAGACTTCCTGGCCGAGGCATCGCCGCGCCATCTCCAAGACGGCGGTGGC 80

ANT1m CCCCATCGAGAGGGTCAAACTGCTGCTGCAGGTCCAGCATGCCAGCAACAGATCACTGCTGAGAAAGCAGTACAAAGGCA 160
ANT2m CCCCATCGAGCGGTCAAGCTGCTGCTGCAGGTCCAGCATGCCAGCAAGCAGATCACTGCGAATAAGCAATACAAAGGCA 160
ANT3m CCCCATCGAGCGGTCAAGCTGCTGCTGCAGGTCCAGCATGCCAGCAAGCAGATCGCGCGAATAAGCAGTACAAAGGCA 160

ANT1m TCATTGATTGTGGTGAGATCCCTAAGGAGCAGGGCTTCCTCTCTCTGAGGGGTAACTGGCCAACGTATCCGT 240
ANT2m TTTATAGACTGCGTGGTCCGTATTCCTAAGGAGCAGGAGTTCTGTCTCTCTGCGGGTAACCTGGCCAATGTCTATAGA 240
ANT3m TCGTGAAGTGAATGTCCGATCCCAAGGAGCAGGGCGTCTGTCTCTCTGAGGGGTAACTTGGCCAACGTATTCGT 240

ANT1m TACTTCCCCACCAAGCTCTCAACTTCGCCTTCAAGGACAAGTACAAGCAGTCTTCTTGGGGGTGTGGATCGGCATTA 320
ANT2m TACTTCCCCACCAAGCTCTCAACTTCGCCTTCAAGGATAATACAAGCAGATCTTCTGGGTGGTGTGGACAAGAGAAC 320
ANT3m TACTTCCCCAATCAAGCTCTCAACTTCGCCTTCAAGGATAAGTACAAGCAGATCTTCTGGGGGTGTGGACAAGCAC 320

ANT1m GCAGTTCTGGCGTACTTTGCTGGTAACCTGGGTCCGGTGGGCGGTGGGGCCACCTCCCTTTGCTTTGTATACCGC 400
ANT2m GCAGTTTGGCTTACTTTGCAAGGAACTTGGCATCGGTGGTGGCGAGGGGCCAATCCCTGTGTTTGTGTACCGTC 400
ANT3m GCAGTTCTGGGTACTTTGCGGCAACCTGGGTCCGGTGGTGGGCGGCGACCTCCCTTTGCTTGTGTACCGC 400

ANT1m TGGACTTTGCTAGGACCAAGTTGGTGGCTGATGTGGGAGGC---GCGCCAGCGTGAGTTCAATGGTCTGGGCGACTGT 477
ANT2m TTTGATTTTGGCGTACCGCTTAGCAGCTGATGTGGTAAGGTGGAGTGAAAGGGAATCCGAGGCCTGGTGACTGC 480
ANT3m TGGATTTTGGCAGAACCGCTGGCAGCGGAGTGGGAAGTCAAGGACAGAGCGTGAGTTCCGAGGCCTGGGAGACTGC 480

Fig. 1A

ANT1m ATCATCAAGATCTTCAAGTCTGATGGCTTGAAGGGCTTACCAGGGTTTCAACGTCTCTGTCAAGGCATCATATCTA 557
 ANT2m CTGGTTAAGATCTACAAATCTGATGGATTAAAGGCCTGTACCAAGGCTTTAACGTCTCTGTGCAGGGTATTATCATCTA 560
 ANT3m CTGGTTAAGATCAACAAGTCTGACGGCATCCGGGCCTGTACCAGGGCTTCAATGTCTCCGTGCAGGGCATCATCTA 560

ANT1m TAGAGTTGCCTACTTCGGAGTCTATGATACTGCCAAGGGATGCTTCCCTTACCCCAAGAACTGCACATTTTTGTGAGCT 637
 ANT2m CCGAGTCGCCTACTTCGGTATCTATGACTGCAAGGGAATGCTTCCGGATCCCAAGAACAATCACATCGTCATAGCT 640
 ANT3m CCGGGCGCCTACTTCGGCTGTACGATACTGCCAAGGGATGCTTCCCGACCCCAAGAACACGCACATCGTGTGAGCT 640

ANT1m GGATGATTGCCAGAGTGTGACGGCAGTCCAGGGCTGTGTCTACCCCTTTGACACTGTTCCGTAGAAATGATGATG 717
 ANT2m GGATGATCGACAGAGCTGTACTGCTGTGCGCGGTGACTTCTATCCATTTGACACTGTTCCGCGCGCATGATGATG 720
 ANT3m GGATGATCGGCAGAGTGTGACGGCGTGCGCGCTGTGTCTACCCCTTGACACGGTCCGCGCGCATGATGATG 720

ANT1m CAGTCCGGCCGAAAGCGGCGATTTATGTACACGGGCAAGTTGACTGCTGGAGGAAGATTGCAAAAGAGCAAGGAGC 797
 ANT2m CAGTCAAGGCGCAAGGAAGTACATCATGTACACAGGCACGTTGACTGCTGGCGGAAGATTGTCATGATGAAGGAGG 800
 ANT3m CAGTCCGGGCGCAAGGAGCTGACATCATGTACACGGGCACGTTGACTGTTGGAGGAAGATTTGAGAGATGAGGGGG 800

ANT1m CAAGGCCTTCTTCAAGGTGCTGGTCCAATGTCTGAGAGGCATGGGCGTGCTTTTGTATTTGGTCTGTATGATGAGA 877
 ANT2m CAAGGTCTTTTCAAGGTGCTGGTCCAATGTCTGAGAGGCATGGGCGTGCTTTTGTGCTTTGTCTTGTATGATGAAA 880
 ANT3m CAAGGCCTTCTTCAAGGTGCTGGTCCAATGTCTGAGAGGCATGGGCGGCTTTGTGCTGGTCTGTATGAGAGC 880

ANT1m TCAAAATATGTCTAA 894
 ANT2m TCAAGAAGTACATAA 897
 ANT3m TCAAGAAGTGATCTAA 897

Fig. 1B

HANT1p MDTAHSFLKDFLAGVAAAVSKTAVAPIERVKLLLVQHASKQISAEKQ 50
HANT2p MTDAAVSFAKDFLAGGVAAAIKTAVAPIERVKLLLVQHASKQITADKQ 50
HANT3p MTEQATISFAKDFLAGGTAAAISKTAVAPIERVKLLLVQHASKQIAADKQ 50

HANT1p YKGIIDCVVRIPKEQGLSFWRGNLANVIRYFPTQALNFAFKDKYKQLFL 100
HANT2p YKGIIDCVVRIPKEQEVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL 100
HANT3p YKGIIVDQIVRIPKEQGVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL 100

HANT1p GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVQRRA 149
HANT2p GGVDKRTQFWLYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVKGAGA 150
HANT3p GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVKGSGT 150

HANT1p EREFHGLGDDITIKIFKSDGIRGLYQGFNVSVQGIIYRAAYFGVYDTAKG 199
HANT2p EREFRGLGDCLVKIKYKSDGIRGLYQGFNVSVQGIIYRAAYFGIYDTAKG 200
HANT3p EREFRGLGDCLVKIKYKSDGIRGLYQGFNVSVQGIIYRAAYFGVYDTAKG 200

HANT1p MLPDPKNIHIVSWMIAQSVTAVAGLISYPFDTVRRRMMQSGRKGADIM 249
HANT2p MLPDPKNTHIVISWMIAQTVTAVAGLISYPFDTVRRRMMQSGRKGIDIM 250
HANT3p MLPDPKNTHIVVSWMIAQTVTAVAGVVSYPFDTVRRRMMQSGRKGADIM 250

HANT1p YTGTVDCWRKIAKDEGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYV. 298
HANT2p YTGTDWCWRKIARDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYT. 299
HANT3p YTGTVDCWRKIARDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKVI. 299

Fig. 2

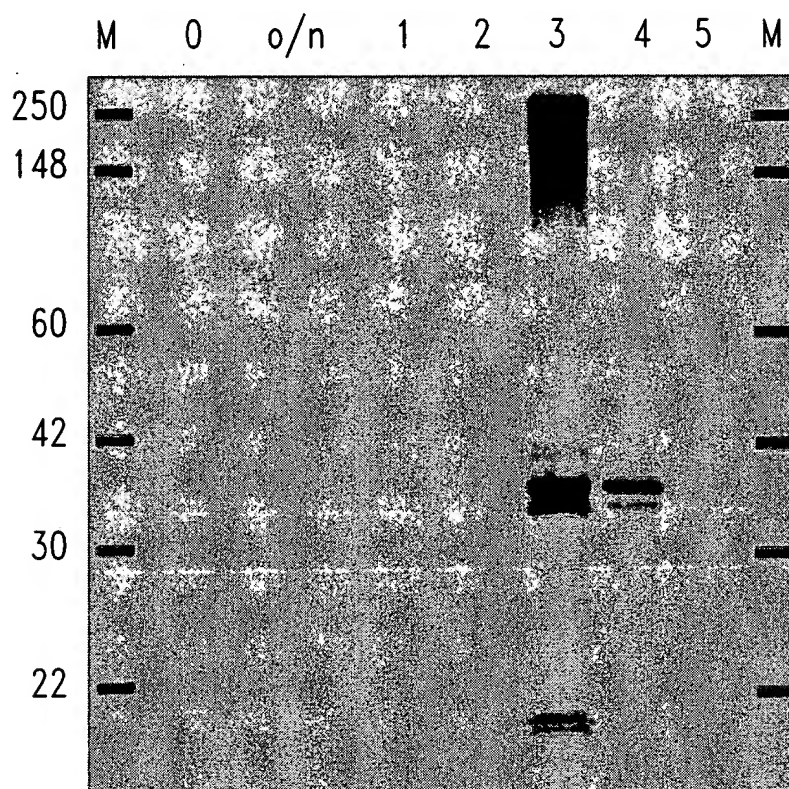


Fig. 3

Title: PRODUCTION OF ADENOCLEOTIDE TRANSLOCATOR (ANT), NOVEL ANT LIGAND AND SCREENING ASSAYS THEREFOR

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Inventors: Christen M. Anderson et al. Serial No. 09/811,132 Docket No. 660088.420D5

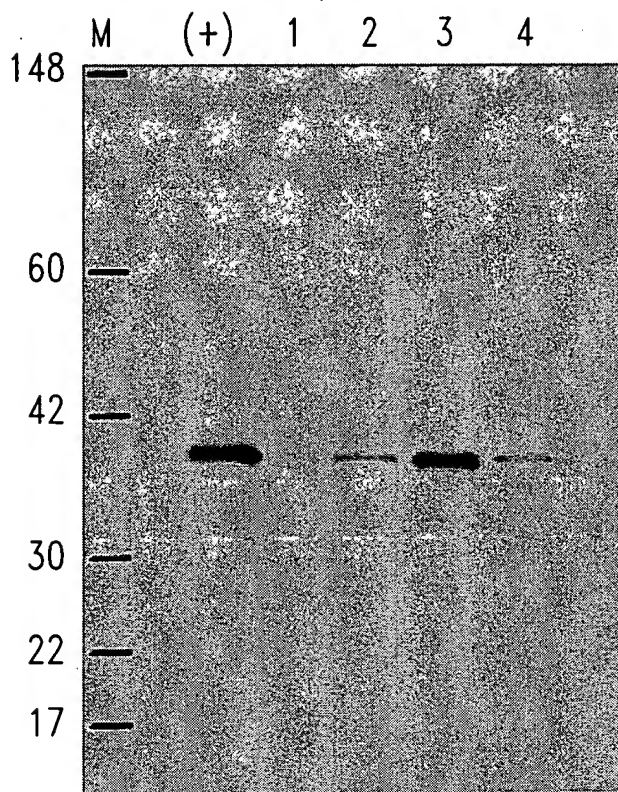


Fig. 4

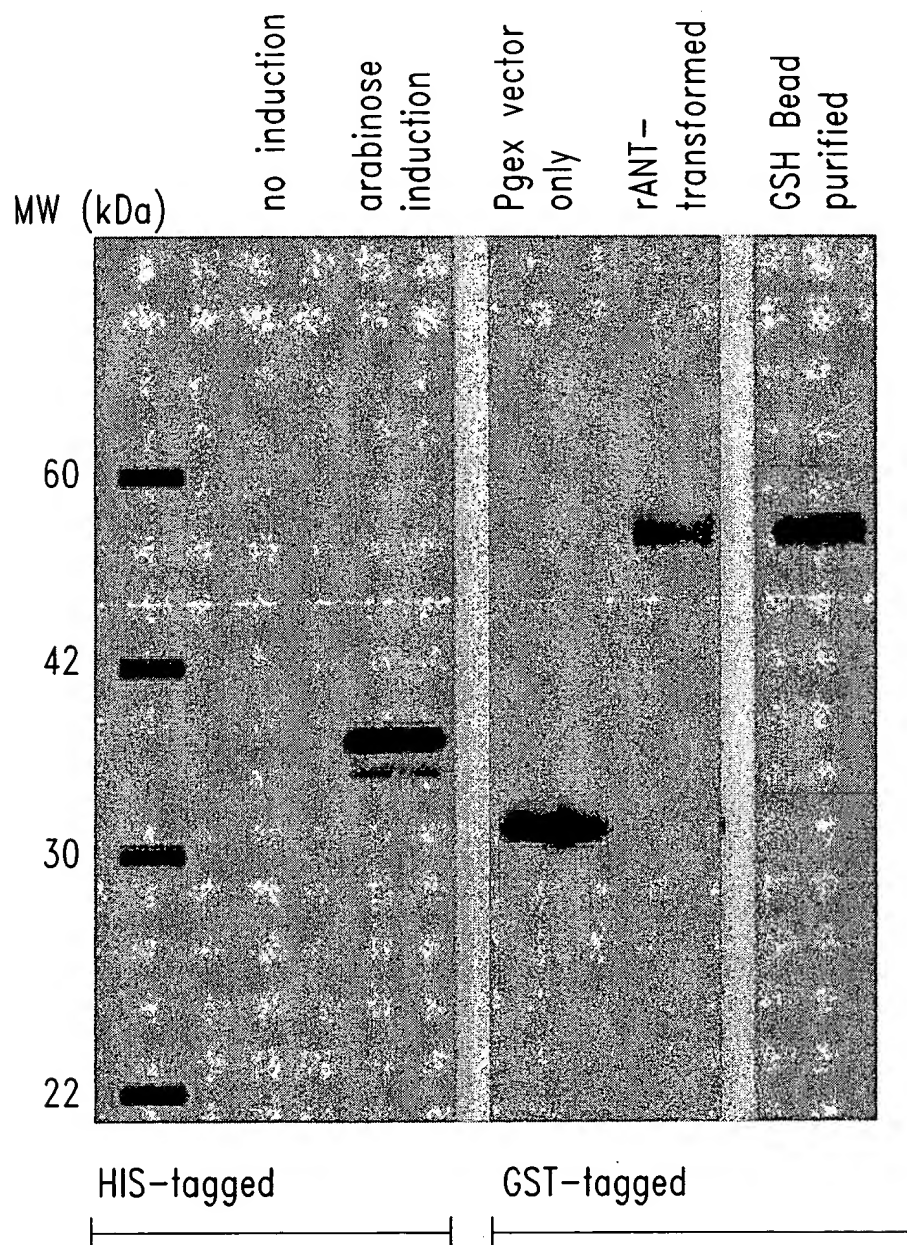


Fig. 5

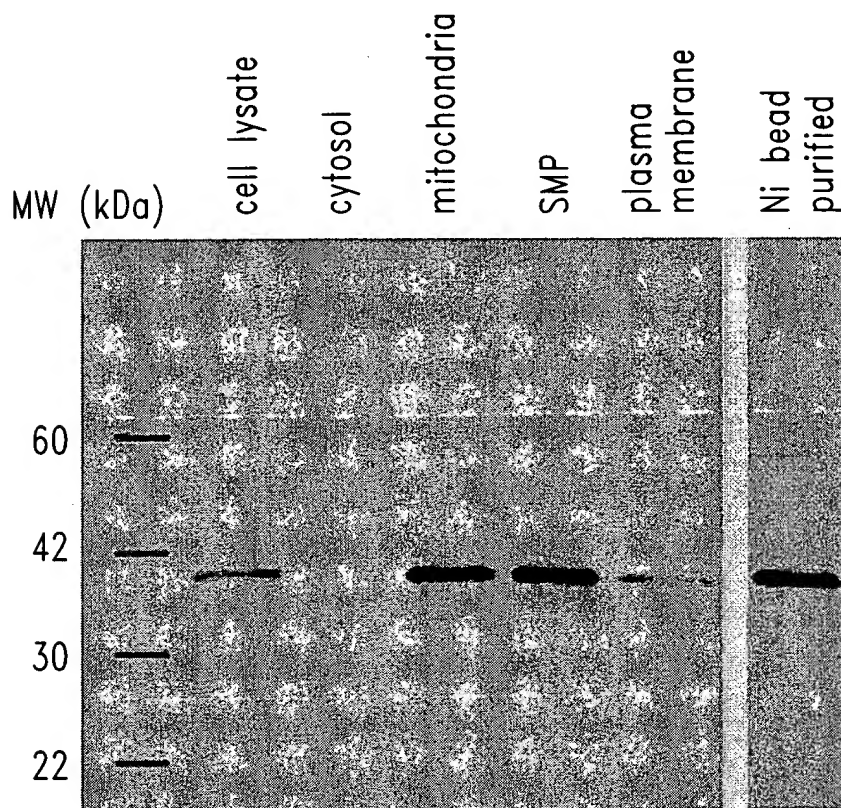


Fig. 6

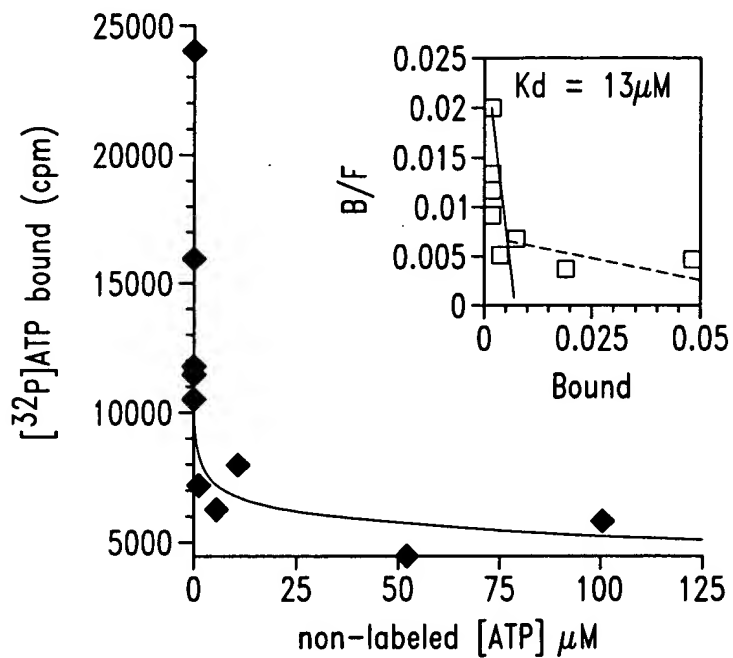


Fig. 7

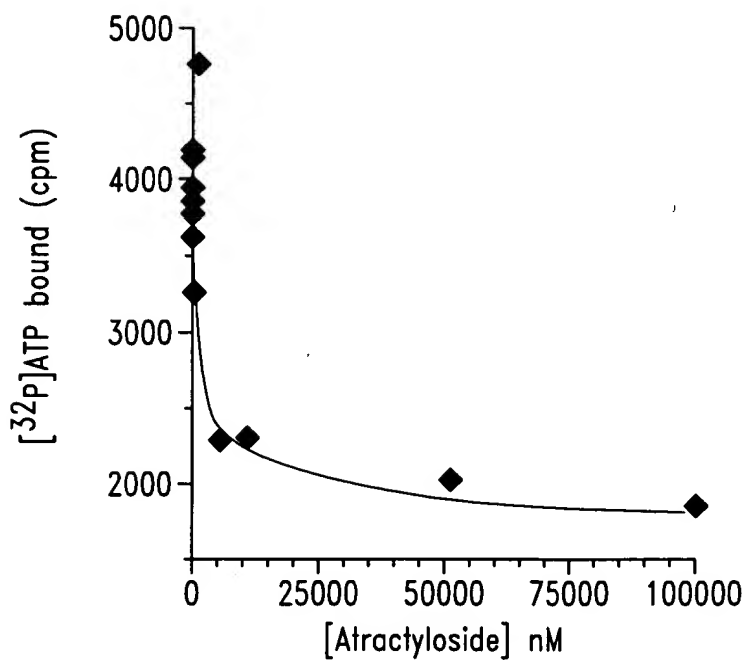


Fig. 8

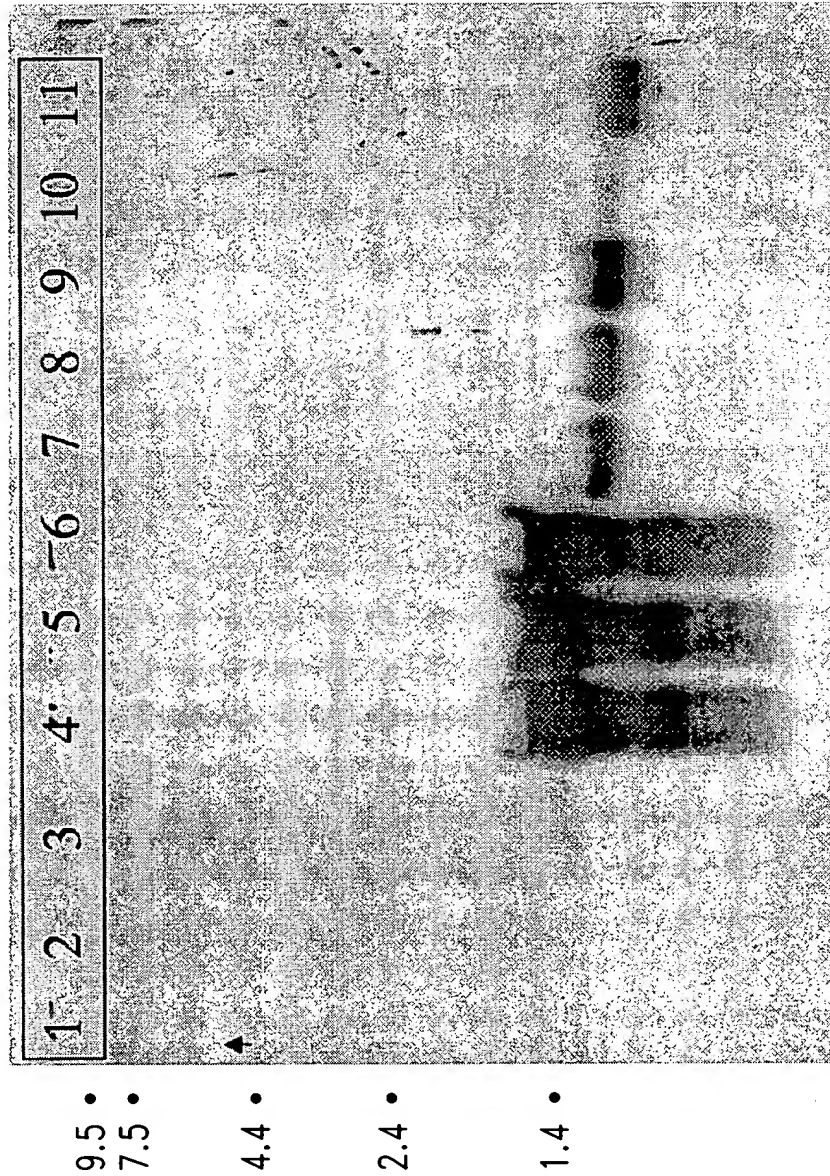


Fig. 10

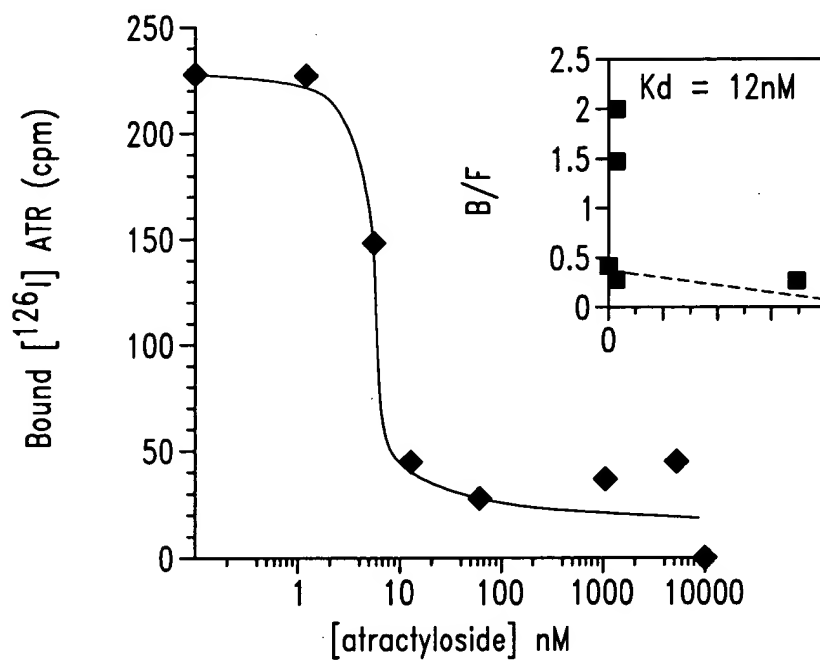


Fig. 9

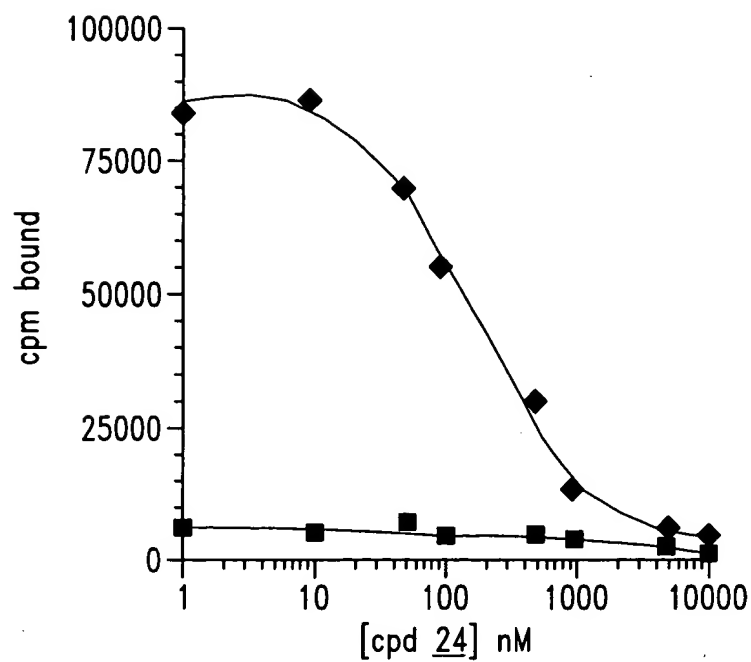


Fig. 11

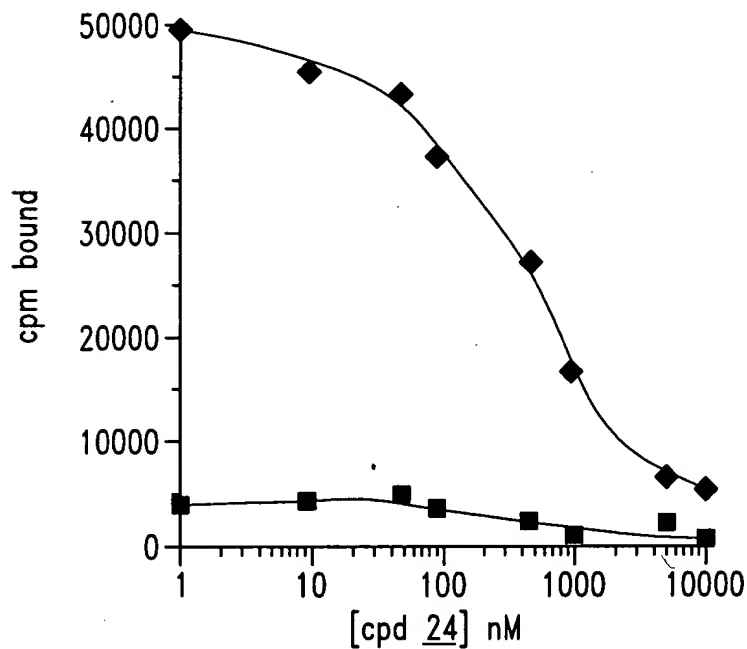


Fig. 12

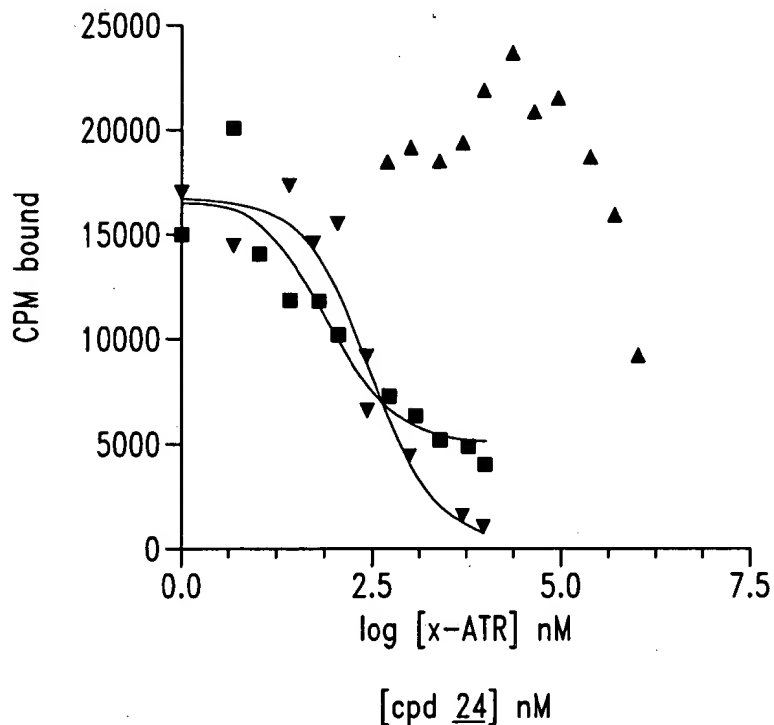


Fig. 13

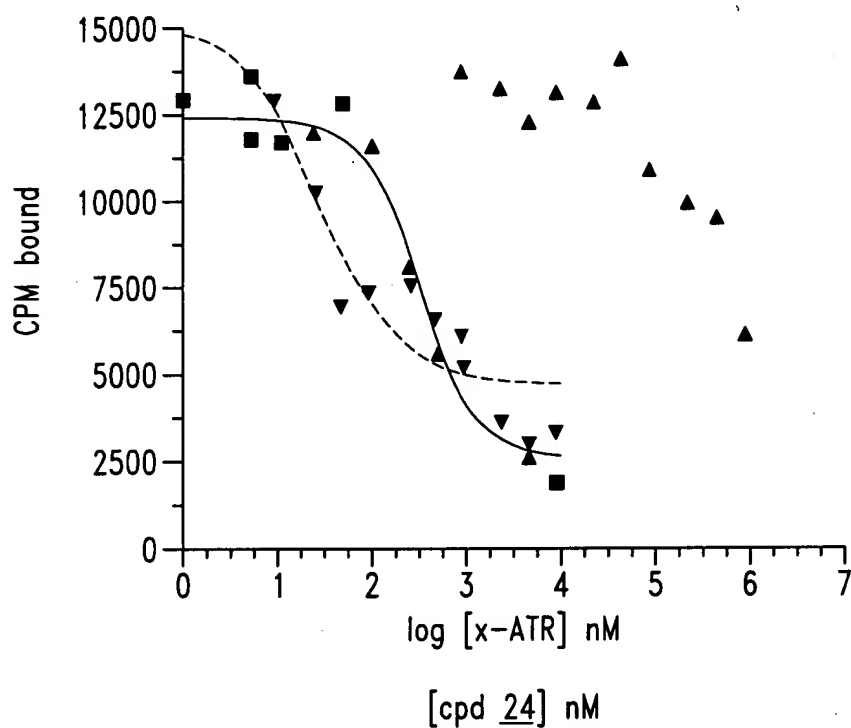


Fig. 14

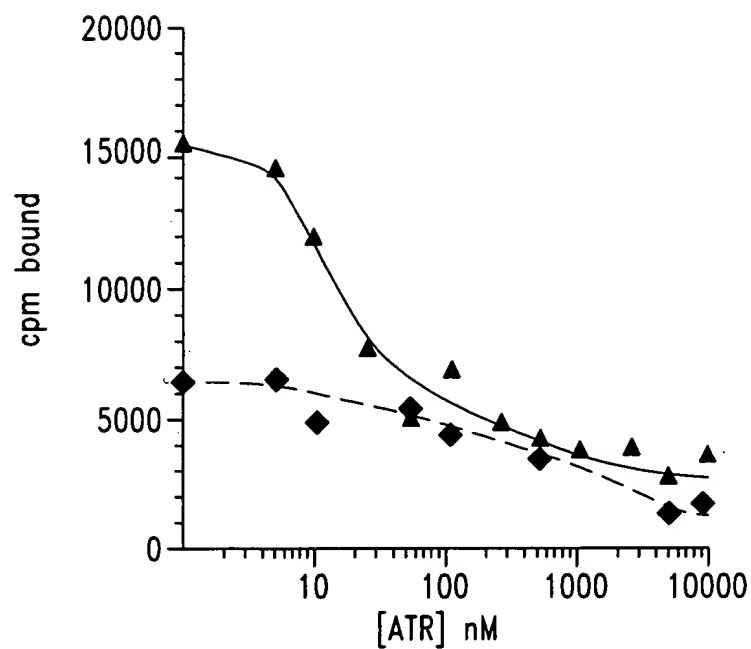


Fig. 15

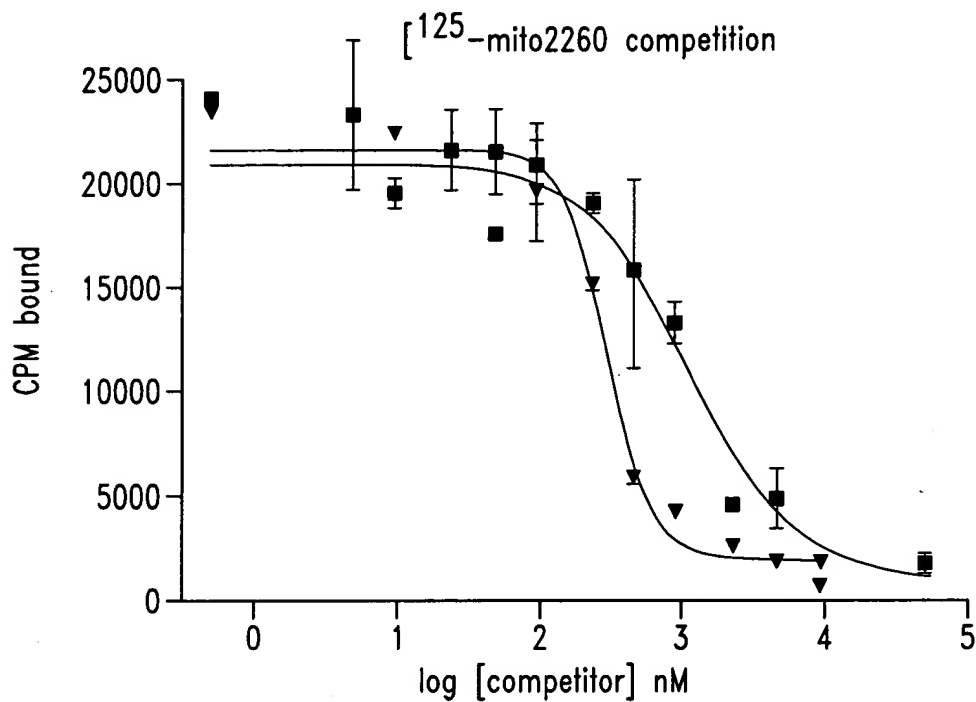


Fig. 16

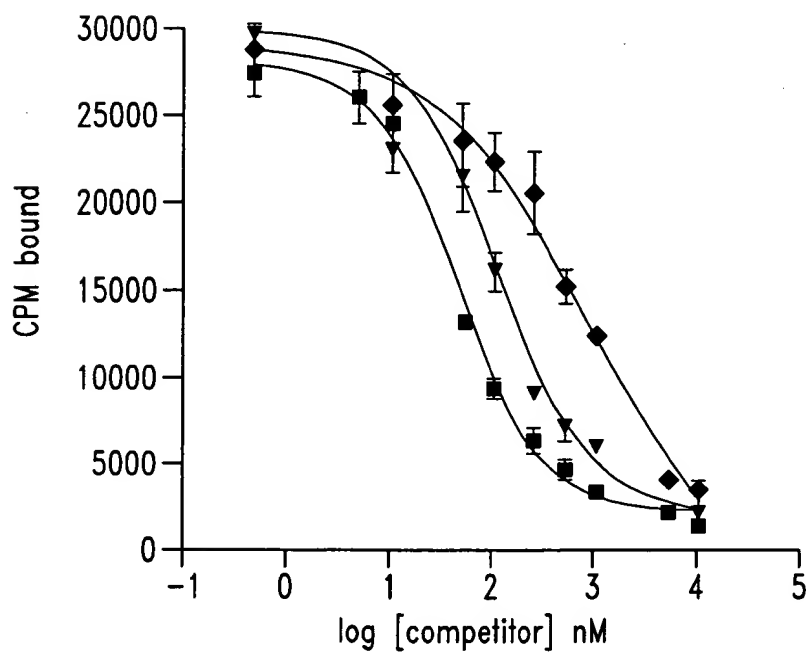


Fig. 17

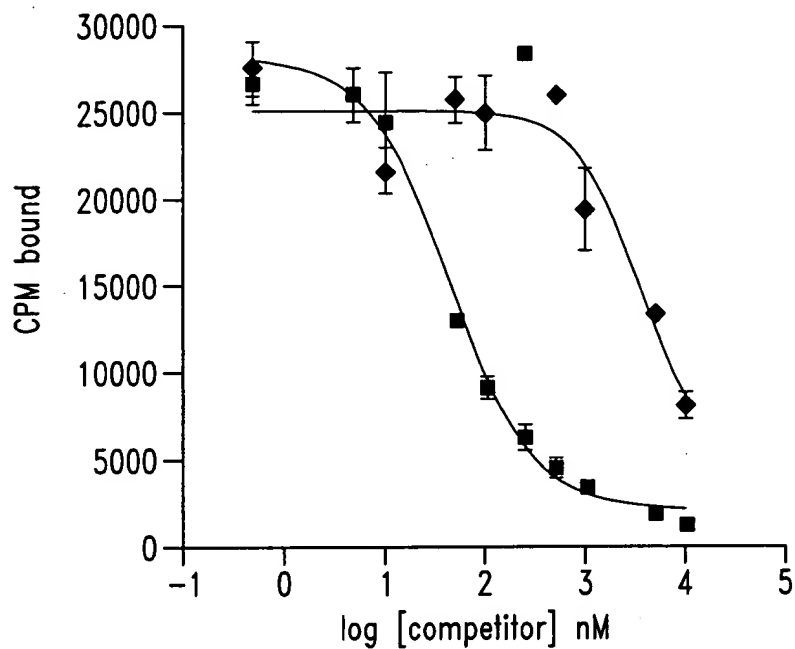


Fig. 18

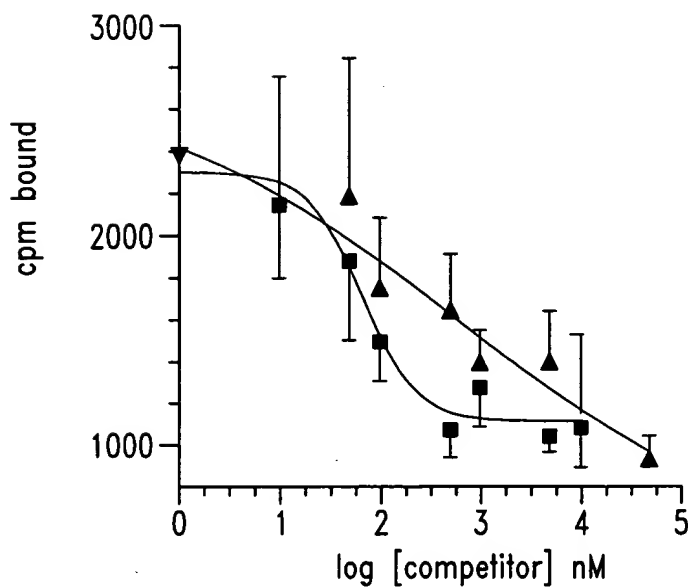


Fig. 19